## SCHOOL SCIENCE AND MATHEMATICS

1949

## INDEX BY TITLES

A

Aftermath, The. Sister Agnes	31
Agronomy-Rhetoric Experiment. ROBERT J. GEIST	- 1
Air Line Stewardess	216
Airplane Mechanic Algebra Can Contribute to Reading Comprehension. A. C. Nelson	258
Algebra Can Contribute to Reading Comprehension. A. C. Nelson	382
Algebraic Concepts and Relationships, Putting Meaning into. JOHN J. KINSELLA,	
	19
Alternating Current Motors in High School Physics, JOHN A. MACK	39
Aluminum Scrap Vields Pure Aluminum	722
Aluminum Scrap Yields Pure Aluminum Annual Convention, The Forty-Ninth. CHARLOTTE L. GRANT	517
Antibiotics W Brooks Fortune	259
Antibiotics. W. Brooks Fortune Astronomy in the Junior High School Curriculum. Harry E. Crull.	371
Atomic Detectives	154
Atomic Detectives.  Atomic Energy Education, Lilienthal Urges Speed-Up in	417
Atomic Particles and the Meson, Some. James I. Shannon.	523
Atomic Farticles and the Meson, Some. James I. Shannon.	
Atomic Study Curve. John P. Basnar	9
Audio-Visual Aids for Science Teachers, Russell Meinhold	324
Authors, Meet the. Marie S. Wilcox Authors of Our Anniversary Book, Meet the. John E. Potzger	518
Authors of Our Anniversary Book, Meet the. JOHN E. POTZGER.	601
Awards for Research Pi Lambda Theta	350
В	
Bacteria Found Convenient for Heredity Studies, Fast-Multiplying	240
Barrier, Breaking through the. ROBERT D. BECKMAN	120
Bausch and Lomb Sales Aide Promoted	768
Bausch and Lomb Sales Aide Promoted	
HENRY W. SYER	650
Biology?, Do We Teach. MARY THOMASINE PATTERSON	248
Biology in General Education, Problems of. Prevo L. Whitaker.	289
Biology Teaching under State Supervision, The Effective Administration of High	209
School. Part III. The Pupil Gets C. Charles E. Packard	1.41
Disposit to Action The Pupil Gets C. CHARLES E. FACKARD	365
Blueprint to Action, From. The Publicity Committee	
	649
	358
Booklet on Electrical Power Plants, New	236
Book Reviews:	
	511
Adventures with Animals and Plants—Kroeber and Wolff. George S. Fichter.	343
A First Course in Algebra—Hart. Philip Peak Analytic Geometry, Fourth Edition—Love. Cecil B. Read	341
Analytic Geometry, Fourth Edition—Love. Cecil B. Read.	82
Analytic Geometry, Revised Edition—Sisam. Cecil B. Read.	508
Analytic Geometry—Robinson, Cecil B. Read	598
Analytic Geometry—Robinson. Cecil B. Read  A New Geometry for Secondary Schools, Second Edition—Herberg, Orleans.	
W. K. McNabb	339
	338
	513
An Introductory Course in College Physics, Third Edition—Black. GLEN W.	ULU
Wanger Wanger in Conege I hysics, I mid I million - Distor. Galler 11.	251
	429
Applied Architectural Acoustics—Rettinger, OLEN W. WARNER,	507
A Second Course in Algebra—Hart. Philip Peak	341
Astronomy, A Textbook for Colleges—Kennon. GLEN W. WARNER	80
	254
THE PERSON NAMED IN CONTRACT OF THE PERSON NAMED IN CONTRACT O	596
Basic Electrical Principles—Suffern. GLEN W. WARNER.	512
	256
Biology in Daily Life—Curtis, Urban, George S. Fichter	599
Biometrical Genetics—Mather, George S. Fichter.	772
Bits That Grow Big-Webber, GLEN W. WARNER	512
Bits That Grow Big—Webber. GLEN W. WARNER Boy's Book of Snakes, How to Recognize and Understand Them—Morris. GLEN	
W WARNER	512





College Algebra—Cameron, Browne. CECIL B. READ	509
College Algebra—Nowlan. Cecil B. Read. College Physics, Third Edition—Perkins. Joseph D. Elder	82
College Physics, Third Edition—Perkins. JOSEPH D. ELDER	168
Commercial Arithmetic, A Text for Students in the Business or General Course	
Mallory, Polishook, Chapman, Starkey, Jr. W. K. McNabb	85
Comparative Anatomy-An Introduction to the Vertebrates-Adams, Eddy.	
George S. Fichter Diagnostic and Remedial Teaching in Secondary Schools—Blair. M. H. Krout.	599
Diagnostic and Remedial Teaching in Secondary Schools—Blair, M. H. Krout.	170
Electromagnetic Waves and Light. First Part—Meyer. Glen W. Warner	252
Elementary Calculus and Coordinate Geometry, Part I—Nobbs. CECIL B. READ Elementary Calculus and Coordinate Geometry, Part II—Nobbs. CECIL B. READ	598
Elementary Calculus and Coordinate Geometry, Part II—Nobbs. CECIL B. READ	598
Elementary Industrial Electronics-Wellman. JOSEPH D. ELDER	684
Essentials of Radio—Slurzberg, Osterheld. Shailer Peterson	254
Exploring Biology—Smith. George S. Fichter	685
Exploring Electricity—Skilling. GLEN W. WARNER	252
First Year College Mathematics with Applications-Daus, Whyburn. W. K.	
McNabb. Foundations of Modern Physics, Second Edition—Brown. Joseph D. Elder	596
Foundations of Modern Physics, Second Edition—Brown, Joseph D. Elder	684
rundamentals of Business Mathematics—van Voornis, Topp. Philip Peak	340
Fundamentals of Health and Safety-Mueller, Robertson. George S. Fichter.	339
Fundamentals of Statistics—Scarborough. JOSEPH J. URBANCEK.	85
General and Applied Chemistry—Currier, Rose. Kenneth E. Anderson	84
General and Applied Chemistry—Currier, Rose. Kenneth E. Anderson. General Mathematics in Daily Activities—Hart, Gregory. ETHEL KORTAGE.	170
Handbook of Elementary Technical Mathematics—Greenwood, Chriswell.	
Albert R. Mahin	256
How to Know the Immature Insects—Chu. George S. Fichter	771
Interpreting Science Series, 1947 Edition—Carroll	
Understanding Our Environment, Book I	
Understanding Our World, Book II	
Understanding the Universe, Book III	
SHELDON S. MYERS	514
Introduction to the Differential Equations of Physics—Hopf, Translated by Nef.	
CECIL B. READ	84
Introductory Radio, Theory and Servicing—Hicks. Traver C. Sutton	600
Kinetics of Chemical Change in Solution—Amis. Kenneth E. Anderson	510
Mathematics for Use in Business-Hilborn, Albert R. Mahin	255
Mathematics: Our Great Heritage. Essays on the Nature and Cultural Signifi-	
cance of Mathematics—Schaaf. G. E. HAWKINS	257
Mendeleyev, The Story of a Great Scientist-Posin. Kenneth E. Anderson	337
Methods of Algebraic Geometry—Hodge, Pedoe. CECIL B. READ	81
Volume I, Book I: Algebraic Preliminaries	
Volume II, Book II: Projective Space	
Microbes Militant: A Challenge to Man—Eberson, B. CLIFFORD HENDRICKS	507
Minerals and How to Study Them, Third Edition Revised—Hurlbut. GLEN W.	
WARNER My Book about the American Continents—Middlebrook, VILLA B. SMITH	683
My Book about the American Continents—Middlebrook, VILLA B. SMITH	596
New Syllabus Algebra—Tuckey, Armistead. Albert R. Mahin	513
Nuclear Radiation Physics—Lapp, Andrews. JOSEPH D. ELDER	169
Number Theory and Its History—Ore. CECIL B. READ.	83
Our Sun-Menzl, GLEN W. WARNER	770
Our Sun—Menzl. GLEN W. WARNER. Outline of the History of Mathematics, Sixth Edition, Revised—Archibald.	
CECIL B. READ. Practical Spectroscopy—Harrison, Lord. GLEN W. WARNER.	509
Practical Spectroscopy—Harrison, Lord. GLEN W. WARNER	337
	683
	171
Principles of Physics. III. Optics, Third Edition—Sears. GLEN W. WARNER	253
	338
Readings in the Physical Sciences—Shapley, Wright, Rapport, GLEN W. WARNER	429
	169
Solid Geometry—Frame. G. E. HAWKINS.  Spherical Harmonics, an Elementary Treatise on Harmonic Functions with	430
Applications Second Powered Edition Man Debut Court P. P.	242
Applications, Second Revised Edition—MacRobert, CECIL B. READ	342
Swope's Lessons in Practical Electricity, Eighteenth Edition—Hausmann. GLEN	01
W. Warner	81

The Chemical Arts of Old China—Li Ch'iao-p'ing. Kenneth E. Anderson. The Chemical Formulary, Volume VIII—Bennett. Kenneth E. Anderson. The Electron Microscope—Gabor. Joseph D. Elder. The Face of the Moon—Baldwin. Glen W. Warner. The Fundamentals of College Chemistry—King, Caldwell. Kenneth E. Anderson The Mathematical Basis of the Arts—Schillinger. Cecil B. Read. The Metric System of Weights and Measures—Johnson. W. K. McNabb. The Story of Sound—Geralton. J. E. Potzger. The Strange Story of the Quantum—Hoffmann. Glen W. Warner. Trigonometry for Secondary Schools—Butler, Wren. Frank B. Allen. Ultrasonics—Carlin. L. C. Warner. Your Mathematics—Hawkins, Tate. Albert R. Mahin. Books and Pamphlets Received. Glen W. Warner. 80, 166, 250, 335, 428, 505, 591, 681.	596 81 253 509 84 168 511 510 341 343 169 167 777 771 514
Brochure Available Showing FM Radio Center	657 555
C	
Central Association of Science and Mathematics Teachers—Physics Section, Report	707 198
of the. J. S. RICHARDSON	130
olis Meeting. Cecilia J. Lauby, Secretary. Biology Section. D. B. O'Brien, Secretary. Chemistry Section. Clyde W. Dewalt, Secretary. Elementary Mathematics Section. E. E. Cowley, Acting Secretary. Geography Section. Esther Arthur, Acting Secretary. General Science Section. Russel Sheed, Secretary.	155 161 163 163 164 164 165
Centrifugal Force. Francis Sears. Chain Reaction, A Demonstration. James B. Davis. Chemistry, Demonstrations for General. Robert H. Long Chemistry, The Folklore of: A Sequel. E. W. Blank China Today. Floy Hurlbut. Cities Worth Saving? Are Our. Carl R. Dortch. Club Notes. G. F. Bradfield. College Degrees Granted During Academic Year Just Ended, 430,000. College Students Think of Us, What. Community, The. A Teaching Unit in Ecology. John P. Wessel, Paul A. Meg-	322 515 453 392 127 217 280 630 581
Conference on Teaching Mathematics, Grades 1-12.  Conference on the Teaching of Mathematics.  Conservation Education in the Secondary Schools of Indiana, The Extent of	358 321
HOWARD H. MICHAUD, ROBERT G. HITT Convention, Looking Forward to the 1949. CHARLOTTE L. GRANT, President Cooperative Committee Meeting in New York, The Coronet Films, New Coronet Releases New Films. Cost of High School Chemistry, Cutting the. Shirley W. Gaddis. Courses in Chemistry, Supplementary. Critical Judgment, An Attempt to Measure. BJARNE R. ULLSVIK. Curriculum Making for Science in the Elementary School, Guiding Principles in. Lewis R. Fisher.	33 264 753 119 413 69 488 445
D	
Demonstration Equipment. I. Electric Wiring. NATHAN BOORTZ, SHAILER PETERSON	444 15 557

Dice Probabilities and the Game of Craps. Ernest E. Blanche	625
Dictoform? Can You Solve a. P. H. NYGAARD	220
Dictoforms, P. H. Nygaard	, 328
THAL.	374
THAL.  Division by Zero. A. R. JERBERT.  Dr. Potzger Given Holcomb Award.	484
Dr. Potzger Given Holcomb Award	570
Duke Mathematics Institute, W. W. RANKIN  Dumb-Bell or Poor Teaching? An Ordinary, James B. Davis	264 474
Dumb-Ben of Foot Teaching: An Ordinary, James B. Davis	4/4
E	
Earth Science. Ben Hur Wilson.  Eastern Association of Physics Teachers. One Hundred Sixty-Eighth Meeting.	620
Albert R. Clish, Secretary	322 322
Centrifugal Force. Francis Sears. Ultrasonics. Glen Roundie	323
Audio-Visual Aids for Science Teachers, Russell Meinhold	324
New Methods for Old Topics, W. Roscoe Fletcher  Eastern Association of Physics Teachers. One Hundred Sixty-Ninth Meeting.	324
Eastern Association of Physics Teachers. One Hundred Sixty-Ninth Meeting.	493
ALBERT R. CLISH, Secretary.  Examples of Science at Work in Industry. LOWELL H. MILLIGAN.	493
Space Preception. PAUL BOODER	496
Physics at WPI. Norton Masius.  Interesting and Helpful Demonstrations. K. MAYER.	496
Interesting and Helpful Demonstrations. K. MAYER	497
Home Made Apparatus. W. Roscoe Fletcher.  Eastern Association of Physics Teachers. One Hundred Seventieth Meeting. Albert	498
R. CLISH, Secretary	658
Vision and the Spectrum. George WALD	658
Guided Missiles. MICHAEL C. WITUMSKI Eastern Association of Physics Teachers. Ond Hundred Seventy-First Meeting.	661
ALBERT P. Crieff	667
ALBERT R. CLISH  Echoes of the 1948 Convention. J. E. POTZGER	89
Electrical Farm Living	404
Electrical Farm Living Electronic Engineering Indexing, A New Idea in Elementary Mathematics, Cultivating Research and Aesthetic Attitudes in. Peter	672
Elementary Mathematics, Cultivating Research and Aesthetic Attitudes in. Peter	520
DROHAN Elementary Science Teacher, Helping the. GRACE CURRY MADDUX	534
Elementary School Science Library for 1947-1948. PAUL E. KAMBLY.	237
Elephants of Yesteryears. JAMES B. COPE	402
Encyclopaedia Britannica Films, New	624
Enneagon, An Approximate Construction for a Regular. Howard Eves	14 14
	1.2
F	
Film on the Airline's Meals, A New	295
Films for the Grades, New	722 119
Filmstrips, Four New Flowering Plants, The Enigma of the. JOHN E. COE Fluorine-Chlorine Plastic Very Inert to Chemicals, New	27
Fluorine-Chlorine Plastic Very Inert to Chemicals, New	68
Forest, The Living Formulas and Equations by the Use of Laboratory Experiments, Teaching. Fred T.	730
Weisbruch. Fourth-Fifth Grade Lesson with Electricity, A. Demonstrating a Use of Sound Film.	549
George W. Haupt	457
George W. Haupt Fun and Mathematics, Eight Days of	203
Colore Country Manage Double of Country	mea
Geiger Counters Measure Depth of Snow General Mathematics for Grades 9 to 12. W. D. REEVE	753 99
General Science at Oklahoma	649
General Science at Oklahoma Geography, The Dynamic Nature of. Zoe A. Thralls Geometry, An Experiment in Fusing Plane and Solid. H. Vernon Price	749
Geometry, An Experiment in Fusing Plane and Solid. H. VERNON PRICE.	199
George Éastman House, November 9 Opening Date for Geyser—Working Model. ROBERT STOLLBERG.	638 188
Solver Working Model, Robert Stollberg.	100

Guided Missiles. Michael C. Witumski Gypsum Flaster for Fire Protection.	661 736
H	
Hanske, Carl F. James H. Brayton Heating Appliances, Efficiency and Relative Cost of Gas and Electricity. H. Clyde	180
Krenerick.  Helicopter Boasts Detachable, Bus-Sized Capsule, World's Largest High School Exhibits at the CAS and MT. High School Physics Courses, Planning Your. Philip G. Johnson High School Project, Glorifying the. Fred T. Weisbruch. History of Science, Dramatic Moments in the. B. Clifford Hendricks Hybrid Ratios, A Formula for Determining. Naomi Minner Hydraulic Ram, A Simple Demonstration. Frank Hawthorne	97 140 533 204 438 703 537 272
I	
Impact and Momentum, Some Classroom Notes on. Julius Sumner Miller Indiana University Workshop Institute for Teachers of Mathematics Instructional Films Helped Bring Out the Korean Vote	571 370 483 86
L	
Laboratory Aquarium, The. D. B. BLAUVELT, B. H. CARLETON Laboratory in Panama, Kodak Opens New Laboratory Work is Essential. TRAVER C. SUTTON Lecture Demonstrations Life of Service, Seven Ingredients of a. JOHN Y. BEATY	414 474 351 772 377
M	
Mansion Given to Scientists, Famous.  Massey, Emil Lavern. Allen F. Meyer  Mathematical Education in the Secondary Schools, A Proposal for a Modern Program in. Howard F. Fehr  Mathematical Education with References to Recent Literature, New Emphases in.	690 87 723
WILLIAM L. SCHAAF Mathematical Preparation for Various College Curricula, Minimum. P. D. EDWARDS Mathematics, A Practical Philosophy Concerning. JOSEPH J. URBANCEK Mathematics Education, A Report on Progress in. PHILLIP S. JONES, K. EILEEN	639 181 405
BECKETT, H. VERNON PRICE, VIRGINIA TERHUNE  Mathematics in General Education. RALEIGH SCHORLING.  Mathematics in General Education, The Place of. Myron F. Rosskopf.  Mathematics in Michigan. CECIL B. READ.  Mathematics? Why Study. BJARNE R. ULLSVIK.	465 296 565 62 302
Mechanics, A Student's Approach to. Percy F. Benedict. Men Outnumber Women Methods for Old Topics, New. W. Roscoe Fletcher	691
Miracle, The Greatest. John J. Miller.  Mnemonic Devices in Mathematics, Use of. Charles W. Mathews  Motion Picture and Slide Film Index Announced by Westinghouse  Motion Pictures for Elementary Science. George Greisen Mallinson	324 111 491 13 383
Mounds, Frost Woods Burial Movie on Motion Study Available, New Multi-Sensory Aids in Mathematics. Henry W. Syer, Peter J. Ingeneri	110 420 134
N	
National Science Day or a National Science Week be Observed by Scientists in the United States? Should a. Earl R. Glenn, Walter S. Lapp, Lee R. Yothers National Training Laboratory in Group Development	516 427 603 444
0	
	173 110

Optics Notes. K. L. Yudowitch Outdoor and Camping Education Summer School Oxygen is Discovered, New Kind of	421 366 133
P	
Pacific Chemical Exposition, The. James O. Clayton.	344
Pacific Chemical Exposition, The 1949	32
Pacific Industrial Conferences.	522
Palamar and Photography Team Up	190 452
Pain-Killing Chemicals, New Palomar and Photography Team Up Periodic Law, New Aids for Teaching the George A. Scherer	91
Photosynthesis, Farrington Daniels	344
Physical Science for Elementary School Teachers, On Courses in. STANLEY W.	***
MORSE.	760
Physics at WPI. Morton Masius	496 295
Physics Teachers, Summer School Work for Plant Morphology as a Living Subject. DOROTHY V. PHIPPS.	418
Plastic Spoons Help Army Fight Disease. Problem Department. G. H. Jamison	196
Problem Department. G. H. Jamison	764
Program Announced for Pacific Industrial Conferences Progressing Toward November. Charlotte L. Grant	624 350
Project Method, A Defense of the. HERMAN O. HOVDE.	559
Q	
Quiz Section, The. JULIUS SUMNER MILLER 47, 133, 190, 321, 373, 476, 522, 619,	702
R	
Radar as a Research Instrument. CATHARINE BERGEN	754
Radar Bounced off Moon, Demonstration Shows How Radioactive Elements Combat Cancer	98 657
Refractometer, Design New	437
Refractometer, Design New Research Activities of the Central Association of Science and Mathematics Teachers.	
Charlotte L. Grant.	602
Resistance of Water, Experiments Concerning the. MARTIN H. PATRICK	329 226
Resonant Circuits, Series and Parallel. Martin H. Patrick Resource Units in Teaching Mathematics, The Use of. Kenneth B. Henderson.	345
Rider TV Manual Volume 2	558
Rubber Streets	308
Rule of Signs, Note on the. WALTER H. CARNAHAN	720
S	
Science Achievement Test by Student Teachers in Science and by High-School	
Pupils, A Comparison between the Scores Obtained on a. George Greisen	
Mallinson	731
Science and Mathematics, Coordinating. CHARLOTTE L. GRANT	437
Science Experiences, Answering Children's Questions Through. Anthony Cordell Science Instruction, Adjuncts to. Kenneth E. Anderson	395 475
Science Instruction and the Laboratory. Kenneth E. Anderson.	367
Science Lecture in the High School Assembly, The. II. Radioactive Isotopes.	
HAROLD J. ABRAHAMS	48
Scientists Are Queer. James B. Davis.	288 619
Scientist? When Is a Scientist Not a Semi-Logarithmic and Logarithmetic Graphing for Intermediate Algebra Students.	019
Norma Sleight.	737
NORMA SLEIGHT. Simple Harmonic Motion, A Modification of an Elementary Experiment on. JULIUS	4.5.5
SUMNER MILLER	455 638
Simple Terms, On the Use of. James B. Davis. Sims, Arthur T. Vivian B. Ely.	89
Slidefilms in Color on Water Life Now Available	86
Special Course in Science at Harvard, A.	370
	730 273
Study of Arthritis and Rheumatism at Wisconsin, A	672
very very the control with the control of the Collecting it	200

Subject-Matter Backgrounds of Student Teachers in Science, An Investigation of the.  George Greisen Mallinson.  Sun-Dial, The. Morley F. Fox	265 556
Sun Give More? Will the	427
Sunlight, Capturing	301
Sunshine Puts More Sugar in Apples, More	47 349
Sutton at Case, Professor.	349
T	
Teacher Research in Daily Classes. J. R. MAYOR  Teacher Trainees to Educational Journals, Reactions of. G. D. McGrath Teachers, Challenging. A. C. Nelson.  Teaching Aids Catalogue Announced by Westinghouse.  Teaching of Science, Current Approaches in the. Miles Max Miller, Katharine	477 687 489 5
DRESDEN. Teaching Pupils to Think in Science-Chemistry. Elbert C. Weaver Teaching Science and Mathematics, A Half Century of. J. E. POTZGER. Teaching Science for General Education in the Secondary School. G. P. Cahoon Telescope Ahead of Schedule, Second Largest.	359 191 690 281 630
The Business Helper, Rider Announces	759
Thinking Versus Doing in Biology. MAITLAND P. SIMMONS	578
Trained Fish	8
Training for Teachers of Arithmetic, Special. J. R. MAYOR Training Teachers of High School Mathematics, Courses Desirable for. G. R.	539
THACKER, C. B. READ	611
THACKER, C. B. READ Trends in Secondary Mathematics, Significant. W. D. REEVE	229
Trigonometry? Are High Schools Underemphasizing. WILLARD GEER	72
Trig Student's Lament, A. Joseph J. Urbancek Turtle and Fish Fossils Dug Up from Wyoming Plains	172 26
Ü	
Ultrasonics. Glen Roundie	323
	020
V	
Veterans' Enrollment Down Vision and the Spectrum. George Wald	62 658
W	
Wildlife Refuges, Many Wild Plant is Potentially Useful, Every. John Y. Beaty. Wiley Announces "Structure of Matter" Series Work and Energy, On. James B. Davis	437 431 228 391
· Z	
Zirconium is Antidote for Plutonium Poisoning	564

## INDEX BY AUTHORS

A	
ABRAHAMS, HAROLD J., Central High School, Philadelphia, Pa  ALLEN, FRANK P., Lyons Twp. High School, LaGrange, Ill	48 511
Anderson, Kenneth E., The University of Kansas, Lawrence, Kan.	510
Anning, Norman, University of Michigan, Ann Arbor, Mich. 334, 337, 367, 475, 509,	424
ARTHUR, ESTER, South Shore High School, Chicago, Ill.	164
В	
Bailey, V. C., Evansville College, Evansville, Ind	9
BEATY, JOHN Y., Wee Thistlebrae Farm, Crystal Lake, Ill. 377,	431
BEATY, JOHN Y., Wee Thistlebrae Farm, Crystal Lake, Ill. 377, BEBERMAN, MAX, Shanks Village, N. Y. 76, 153, 245, 334, BECKETT, K. EILEEN, Lebanon High School, Lebanon, Ind. BECKMAN, ROBERT D., Allison Division of General Motors Corporation, Indianap-	465
olis, Ind.  Benedict, Percy F., Tilton School, Tilton, N. H  Bergen, Catharine, State Teachers College, Jersey City, N. J.	120
BENEDICT, PERCY F., Tilton School, Tilton, N. H.	691
BERGEN, CATHARINE, State Teachers College, Jersey City, N. J.	754 625
BLANCHE, ERNEST E., 9409 Montgomery Avenue, North Chevy Chase, Md	392
BLAUVELT, D. B., University of Portland, Portland, Ore.	414
BOODER, PAUL, American Optical Company, Worcester, Mass.	496
BOORTZ, NATHAN, Cokato High School, Cokato, Minn	15
BRADRIETO G F	280
BRANDT, Hugo, University of Maryland, Baltimore, Md. 76, BRAYTON, JAMES H., Manual Training High School, Indianapolis, Ind.	246
BRAYTON, JAMES H., Manual Training High School, Indianapolis, Ind.	180
Buchman, Aaron, Buffalo, N. Y	425
C	
CAHOON, G. P., Ohio State University, Columbus, Ohio	281
CARLETON R H University of Portland Portland Ore	414
Carnahan, Walfer H., Purdue University, Lafayette, Ind. 19, Cherry, W. J., Berwyn, Ill. 242, 331, 424, 586, 587, Clish. Albert R., Belmont High School, Belmont, Mass. 322, 493, 658,	720
CHERRY, W. J., Berwyn, Ill	588
Coe, John E., Lake View High School, Chicago, Ill.	27
	402
	395
COWLEY, E. E., Oakman School, Detroit, Mich.	163
CRULL, HARRY E., Butler University, Indianapolis, Ind.	371
D	
	2/1/1
Daniels, Farrington 301, Davis, James B., Lower Merion Senior High School, Ardmore, Pa. 309, 201, 474, 515	JII
288, 391, 474, 515, Dewalt, Clyde W., Glenbard High School, Glen Ellyn, Ill	638
DEWALT, CLYDE W., Glenbard High School, Glen Ellyn, Ill.	163
DORTCH, CARL R., Indianapolis Chamber of Commerce, Indianapolis, Ind	217
	359
Drohan, Peter, Hartsmere, Ontario, Canada	520
E	
EDWARDS, P. D., Ball State Teachers College, Muncie, Ind.	181
ELDER, JOSEPH D., Harvard University Press, Cambridge, Mass	684
	173
ELY, VIVIAN B., George Washington High School, Indianapolis, Ind	89
Eves, Howard, Oregon State College, Corvallis, Ore	14
F	
FEHR, HOWARD F., Teachers College, Columbia University, New York, N. Y.	723
FIGHTER, GEORGE S., Miami University, Oxford, Ohio 339, 343, 599, 685, 771,	772
Field, S. E., Gogebic Junior College, Ironwood, Mich.	588
FISHER, LEWIS R., Texas College of Arts and Industries, Kingsville, Tex	631

FLECHTER, W. ROSCOE, North High School, Worcester, Mass				
G				
GADDIS, SHIRLEY W., Westminister College, Fulton, Mo GATES, LUCILE B., Sawyer Avenue Elementary School, Chicago, Ill. GEER, WILLARD, University of Southern California, Los Angeles, Calif. GEIST, ROBERT J., Michigan State College, East Lansing, Mich. GLENN, EARL R., State Teachers College, Upper Montclair, N. J. GORDON, EVA A., Cornell University, Ithaca, N. Y. GRANT, CHARLOTTE L., Oak Park High School, Oak Park, Ill. 264, 350, 437, 517.	69 273 72 1 516 603 , 602			
H				
HAUPT, GEORGE W., New Jersey State Teachers College, Glassboro, N. J. HAWKINS, G. E., Lyons Twp. High School and Junior College, LaGrange, Ill. 257, HAWTHORNE, FRANK, Hofstra College, Hempstead, N. Y. HENDERSON, KENNETH B., University of Illinois, Urbana, Ill. HENDRICKS, B. CLIFFORD, University of Nebraska, Lincoln, Neb. 254, 507, HILDEBRANDT, E. H. C., Northwestern University, Evanston, Ill. HITT, ROBERT G., Purdue University, Lafayette, Ind. HORTON, R. E., Los Angeles City College, Los Angeles, Calif. HOVDE, HERMAN O., Loveland, Col. HURLBUT, FLOY, Ball State Teachers College, Muncie, Ind.	272 345			
I				
INGENERI, PETER J., School of Education, Boston University, Boston, Mass.	134			
7				
Jamison, G. H., State Teachers College, Kirksville, Mo.	764			
75, 151, 241, 331, 422, 499, 586, 677, JANSON, HERBERT, San Antonio, Tex JERBERT, A. R., University of Washington, Seattle, Wash JOHN, FELIX, Ammendale, Md JOHNSON, DONOVAN A., University of Minnesota, Minneapolis, Minn JOHNSON, PHILIP G., Office of Education, Federal Security Agency, Washington,	484 151 650			
D. C. JOHNSON, WILLIAM W., Cleveland, Ohio JONES, PHILLIP S., University of Michigan, Ann Arbor, Mich.	204 502 465			
K				
KAMBLY, PAUL E., University of Oregon, Eugene, Ore KINSELLA, JOHN J., Ohio State University, Columbus, Ohio KORTAGE, ETHEL, Hockaday Junior College, Dallas, Tex. KRENERICK, H. CLYDE, Milwaukee, Wis KROUT, M. H., Chicago Teachers College, Chicago, Ill.	237 19 170 97 170			
L				
LAPP, WALTER S., 724 Derstine Avenue, Lansdale, Pa  LAUBY, CECILIA J., School of Education, Indiana University, Bloomington, Ind.  LEVENTHAL, BERNARD E., Bay Ridge High School, Brooklyn, N. Y  LEVITAN, GRACE, Logan, W. Va  LONG, ROBERT H., Green Mountain Junior College, Poultney, Vt.	516 155 374 78 453			
M				
MACK, JOSEPH A., McBride High School, St. Louis, Mo.  MACNEISH, A., Chicago, Ill	514			
zoo, Mich	496 491			

MAYER, K., Worcester Polytechnic Institute, Worcester, Mass. 497 MAYOR, J. R., University of Wisconsin, Madison, Wis. 477, 539 McGrath, G. D., University of Illinois, Urbana, Ill. 687 McNabb, W. K., Hockaday Junior College, Dallas, Tex. 85, 339, 343, 596 Meglitsch, Paul A., Chicago City Junior College, Herzl Branch, Chicago, Ill. 309 Meinhold, Russell, State Department of Rhode Island 324 Meyer, Allen F., Mackenzie High School, Detroit, Mich. 87 Michaud, Howard H., Purdue University, Lafayette, Ind. 33 Miller, John J., Director of Clinical Research, J. B. Roerig and Company, Chicago, Ill. 111 Miller, Julius Sumner, Dillard University, New Orleans, La. 47, 133, 190, 321, 373, 455, 476, 522, 571, 619, 702 Miller, Miles Max, Kearny Junior-Senior High School, San Diego, Calif. 359 Milligan, Lowell H., Norton Company, Worcester, Mass. 493 Minner, Naomi, University of Colorado, Boulder, Colo. 537 Morse, Stanley W., San Francisco State College, San Francisco, Calif. 760 Myers, Sheldon S., University School, Ohio State University, Columbus, Ohio 514
N
Nelson, A. C., The Manlius School, Manlius, N. Y
0
O'BRIEN, D. B., Thornton Twp. High School, Harvey, Ill 161
p
Packard, Charles E., Randolph College, Ashland, Va. 63, 141 Patrick, Martin H., F. D. Roosevelt High School, Kulpmont, Pa. 226, 329 Patterson, Mary Thomasine, Mount Mary College, Milwaukee, Wis. 248 Peak, Phillip, University High School, Bloomington, Ind. 340, 341 Peterson, Shailer, American Dental Association, Chicago, Ill. 15, 171, 254 Phipps, Dorothy V., Chicago Teachers College, Chicago, Ill. 418 Potzger, John E., Butler University, Indianapolis, Ind. 89, 169, 601, 690 Price, H. Vernon, Iowa University, Iowa City, Iowa 199, 465
R
RANKIN, W. W., Duke University, Durham, N. C
S
SCHAAF, WILLIAM L., Brooklyn College, Brooklyn, N. Y. 639 SCHERER, GEORGE A., Earlham College, Richmond, Ind. 91 SCHORLING, RALEIGH, University of Michigan, Ann Arbor, Mich. 296 SEARS, FRANCIS, Massachusetts Institute of Technology, Cambridge, Mass. 322 SHANNON, JAMES I., St. Louis University, St. Louis, Mo. 523 SHEED, RUSSEL, Redford Union High School, Detroit, Mich. 164 SHOOP, JOHN E., New Rochelle High School, New Rochelle, N. Y. 707 SISTER AGNES, Notre Dame High School, Chicago, Ill. 31 SLAVIN, J., Brooklyn, N. Y. 503 SLEIGHT, NORMA, New Trier Twp. High School, Winnetka, Ill. 737 SMITH, VILLA B., John Hay High School, Cleveland, Ohio 596 STRUYK, ADRIAN, Paterson, N. J. 502, 680 SUTTON, TRAVER C., Cass Technical High School, Detroit, Mich. 351, 600 SYER, HENRY W., School of Education, Boston University, Boston, Mass. 134, 650

· ·	
THACKER, G. R., University of Wichita, Wichita, Kan. THE PUBLICITY COMMITTEE.	465 611 365 749
U	
ULLSVIK, BJARNE R., Illinois State Normal University, Normal, Ill	
W	
WARNER, GLEN W., Lakeville, Ind	771 191
Y	
,	516 421

